

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051174.D
 Acq On : 14 Sep 2018 8:23
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:32 PM

Quant Time: Sep 14 14:53:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	612046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	834750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	392759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	324782	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.59	113	326756	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.09	98	1227081	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	411088	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	260389	44.12	ug/l	100
3) Chloromethane	2.06	50	339010	44.41	ug/l	98
4) Vinyl Chloride	2.18	62	352227	43.48	ug/l	98
5) Bromomethane	2.56	94	201766	44.02	ug/l	99
6) Chloroethane	2.70	64	213679	42.73	ug/l	98
7) Trichlorofluoromethane	3.01	101	493494	45.97	ug/l	99
8) Diethyl Ether	3.41	74	173640	43.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	319765	46.21	ug/l	98
10) Methyl Iodide	3.95	142	256771	40.84	ug/l	99
11) Tert butyl alcohol	4.78	59	87341	167.88	ug/l	98
12) 1,1-Dichloroethene	3.73	96	284544	43.58	ug/l	97
13) Acrolein	3.61	56	83936	143.62	ug/l	98
14) Allyl chloride	4.32	41	446266	44.86	ug/l	99
15) Acrylonitrile	4.99	53	482500	209.30	ug/l	99
16) Acetone	3.82	43	389860	231.05	ug/l	99
17) Carbon Disulfide	4.05	76	816541	42.45	ug/l	99
18) Methyl Acetate	4.32	43	232575	42.64	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	758617	43.96	ug/l	99
20) Methylene Chloride	4.55	84	335021	44.53	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	312542	44.14	ug/l	98
22) Diisopropyl ether	5.95	45	959449	48.59	ug/l	97
23) Vinyl Acetate	5.89	43	3016275	225.74	ug/l	99
24) 1,1-Dichloroethane	5.85	63	574582	45.87	ug/l	99
25) 2-Butanone	6.83	43	544443	203.31	ug/l	98
26) 2,2-Dichloropropane	6.82	77	478790	46.70	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	353431	45.50	ug/l	99
28) Bromochloromethane	7.19	49	259095	46.47	ug/l	99
29) Tetrahydrofuran	7.21	42	340591	203.67	ug/l	99
30) Chloroform	7.37	83	589499	47.30	ug/l	98
31) Cyclohexane	7.65	56	503405	45.05	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	501624	47.24	ug/l	100
36) 1,1-Dichloropropene	7.79	75	446131	48.68	ug/l	100
37) Ethyl Acetate	6.93	43	234192	44.12	ug/l	100
38) Carbon Tetrachloride	7.77	117	452277	50.14	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	501005	49.55	ug/l	98
40) Benzene	8.04	78	1350150	48.89	ug/l	98
41) Methacrylonitrile	7.18	41	134095	48.96	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	394426	49.00	ug/l	98
43) Isopropyl Acetate	8.16	43	419185	44.76	ug/l	99
44) Trichloroethene	8.83	130	364288	48.23	ug/l	99
45) 1,2-Dichloropropane	9.12	63	355580	49.83	ug/l	98
46) Dibromomethane	9.21	93	202217	46.44	ug/l	99
47) Bromodichloromethane	9.40	83	445466	50.32	ug/l	100
48) Methyl methacrylate	9.20	41	204692	44.85	ug/l	98
49) 1,4-Dioxane	9.20	88	58729	820.57	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1148202	221.69	ug/l	100
52) Toluene	10.16	92	845739	50.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	439233	49.57	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	520029	50.06	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	298214	48.75	ug/l	99
56) Ethyl methacrylate	10.43	69	354169	43.48	ug/l	99
57) 1,3-Dichloropropane	10.71	76	490639	48.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	716570	210.23	ug/l	99
59) 2-Hexanone	10.75	43	761981	216.94	ug/l	99
60) Dibromochloromethane	10.90	129	347980	50.47	ug/l	100
61) 1,2-Dibromoethane	11.00	107	285949	47.82	ug/l	100
64) Tetrachloroethene	10.63	164	335257	47.97	ug/l	99
65) Chlorobenzene	11.43	112	941030	48.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	347307	49.96	ug/l	99
67) Ethyl Benzene	11.51	91	1579799	50.52	ug/l	100
68) m/p-Xylenes	11.62	106	1248970	103.96	ug/l	100
69) o-Xylene	11.95	106	599252	51.51	ug/l	100
70) Styrene	11.96	104	971484	53.83	ug/l	100
71) Bromoform	12.13	173	237826	48.59	ug/l #	100
73) Isopropylbenzene	12.25	105	1593423	48.38	ug/l	100
74) N-amyl acetate	12.07	43	337761	40.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	355897	47.00	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	273738m	44.80	ug/l	
77) Bromobenzene	12.53	156	403723	45.63	ug/l	98
78) n-propylbenzene	12.59	91	1800285	49.73	ug/l	100
79) 2-Chlorotoluene	12.67	91	1069822	47.28	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1319864	49.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86447	41.80	ug/l	98
82) 4-Chlorotoluene	12.77	91	1068868	47.58	ug/l	99
83) tert-Butylbenzene	12.99	119	1148056	48.83	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1337450	51.08	ug/l	100
85) sec-Butylbenzene	13.17	105	1507353	49.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	1333271	52.15	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	708687	47.22	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	685529	49.75	ug/l	100
89) n-Butylbenzene	13.61	91	1035811	52.06	ug/l	100
90) Hexachloroethane	13.87	117	238095	51.17	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	674923	46.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44915	40.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293854	42.25	ug/l	99
94) Hexachlorobutadiene	15.01	225	231534	54.48	ug/l	99
95) Naphthalene	15.13	128	508580	36.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	285663	42.76	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

